

## 1985 Animal Health and Nutrition Editorial Index by Topic

### Health

#### Abortifacients

Economic liability: The pregnant feedlot heifer. May, p.10  
Using prostaglandins in feedyard heifers. May, p.22

#### Antibiotics

Antibiotics: Smoking guns or duds. February, p.18  
Antibiotics: The science. February, p.24  
Clearing some smoke from the antibiotic controversy. October, p.28  
Is there a future for antibiotics in feed? February, p.29

#### Calf rearing

The neonatal dairy calf: A feeders challenge. April, p.6

#### Colostrum immunoglobulins

Factors affecting colostrum immunoglobulin absorption in calves. April, p.36

#### Computers

Computer application for the food animal practitioner. October, p.5

The Consultant: A database for computer assisted diagnosis. October, p.16

#### Electricity (stray)

Stray electricity in swine units. November, p.18

#### Estrus control

Estrus control: Prostaglandins/estrus synchronizer roundup. December, p.24

#### Gizzard erosion

Gizzard erosion: After fifty years of mystery. September, p.22

#### Immunization

The elements of immunization. June-July, p.10  
The lactoperoxidase system: A defense system of nature. September, p.30

#### Liver abscesses

Liver abscesses and founder in feedlot cattle. September, p.22

#### Mastitis

Dry cow and herd health management. May, p.10  
The veterinarian and udder health

## DRY-CLOX®

(cloxacillin benzathine)  
for INTRAMAMMARY INFUSION  
into the DRY COW

#### INDICATIONS

For the treatment of mastitis in dairy cows during the dry period.

#### PRECAUTIONS

Because it is a derivative of 6-aminopenicillanic acid, DRY-CLOX (cloxacillin benzathine) has the potential for producing allergic reactions. Such reactions are rare; however, should they occur, the subject should be treated with antihistamines or pressor amines, such as epinephrine.

#### WARNING

1. For use in dry cows only.
2. Not to be used within 30 days of calving.
3. Any animal infused with this product must not be slaughtered for food until 30 days after the latest infusion.

#### CAUTION

Federal law restricts this drug to use by or on the order of a licensed veterinarian.

<sup>1</sup>Ziv, G. et al., "Kinetic considerations of antibiotic persistence in the udders of dry cows." Zbl. Vet. Med. B.20:425-434; 1973.

<sup>2</sup>Ziv, G. et al., "Retention of antibiotics in dry udder secretions after the infusion of several dry cow antibiotic products." Zbl. Vet. Med. B.20:415-427; 1973.

BRISTOL  
BVP

ADVANCES  
IN VETERINARY MEDICINE  
FROM THE WORLD OF  
BRISTOL MYERS RESEARCH

BRISTOL VETERINARY PRODUCTS  
BRISTOL LABORATORIES  
DIVISION OF BRISTOL MYERS COMPANY  
SYRACUSE, NEW YORK 13201

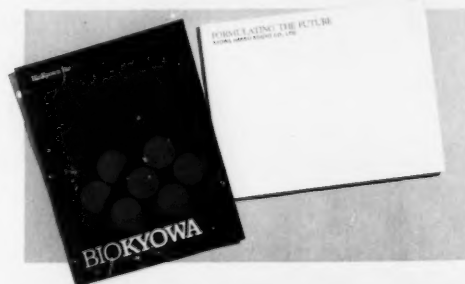
BVP-462 A

## BioKyowa made a commitment. To quality. To innovation. To America. And that is to be the best in Lysine production and biotechnology.

BioKyowa furthered this commitment with the completion of the first and only Lysine plant in the United States. And to you that means assured product availability and on-time deliveries to the U.S. and Canada.

BioKyowa, established by Kyowa Hakko, Tokyo, Japan, a world-wide leader of biotechnology, is supplying L-Lysine HCl feed grade and other amino acids to the feed industry.

For more information, please call or write today.



## BIOKYOWA

BIOKYOWA INC., ST. LOUIS SALES OFFICE,  
1400 ELBRIDGE PAYNE, CHESTERFIELD, MO 63017, PHONE: (314) 532-4070  
HEAD OFFICE & PLANT, NASH ROAD, CAPE GIRARDEAU, MO 63701  
PHONE: (314) 335-4849

## HETACIN-K® VS. AMOXI-MAST® \*

(hetacillin potassium) (amoxicillin)

# HETACIN-K® WINS AGAINST 4 MAJOR MASTITIS PATHOGENS.

The reason: Hetacin-K® is the only lactating cow product indicated for the treatment of mastitis caused by susceptible strains of:

- |   |   |
|---|---|
| <input type="checkbox"/> Streptococcus agalactiae   | <input type="checkbox"/> Staphylococcus aureus        |
| <input type="checkbox"/> Streptococcus dysgalactiae | <input type="checkbox"/> <u>AND</u> Escherichia coli. |

Amoxicillin infusion is indicated only against penicillin-sensitive Strep. agalactiae and Staph. aureus.

On contact, the potent bactericidal action of Hetacin-K kills a wide range of both Gram-negative and Gram-positive pathogens.

Plus, the 72-hour milkout for Hetacin-K sustains that powerful contact longer than amoxicillin. A full 12 hours longer to ensure the right balance between maximum effectiveness and minimum milk loss.

Broad spectrum Hetacin-K works harder, lasts longer. Important advantages that can mean the difference between clinical success or failure. Especially against the environmental mastitis problems or problem organisms like E. coli frequently encountered in high-producing older herd members.

Your clients rely on you. Rely on the broad-spectrum power that Hetacin-K can deliver.

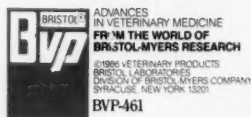


\*AMOXI-MAST® is a registered trademark of Beecham Laboratories.

## Hetacin-K®

(hetacillin potassium)

The efficient  
product of choice  
that lasts longer,  
works harder.



care. April, p.36

### Parasites

Dairy cattle and their worms. March, p.25

*Fasciola hepatica*: This fluke is no fluke. March, p.6

Horn fly resistance. March, p.40

*Ostertagia ostertagi*: A continuing problem of recognition and control. March, p.42

Part II *Ostertagia ostertagi*: A continuing problem of recognition and control. April, p.18

### Pinkeye

Infectious bovine keratoconjunctivitis: "Pinkeye". February, p.34

Part II Infectious bovine keratoconjunctivitis: "Pinkeye". March, p.14

### Preventive medicine

Preventive medicine and health care: The cow/calf operation. May, p.18

### Probiotics

U.S. veterinary study on probiotics. October, p.12

### Reproductive disease

Trichomoniasis in beef cattle. August, p.30

### Rodent control

"Harmless" rat control. November, p.26

### Statistics

Statistics: How they affect the animal health business. October, p.20

### Weak pig syndrome

Investigating swine herd problems with congenital low viability. February, p.6

### Nutrition

#### Amino acids

Amino acids Part 1: History of protein and amino acid concepts and a look at future demand. December, p.8

#### Computers

The next horizon in feed formulation. October, p.30

#### Energy

Energetics of growth in swine. August, p.22

Fuel for making milk. April, p.18

#### Forages

Endophytic fungus in tall fescue. February, p.34

Forage feeding systems for beef cattle. June-July, p.6

#### Growth

Endocrine control of growth: Current and emerging thoughts. June-July, p.14

#### Minerals

Factors interfering with intestinal absorption of minerals. August, p.10

#### Rumen metabolism

Extent and limits of manipulation in nitrogen metabolism. November, p.32

Isoacids: A new technology for lactating dairy cattle. November, p.12

Ruminal products: Their effects on animal production and health. November, p.4

#### Selenium

Factors affecting selenium status of forages. May, p.26

Selenium deficiencies in livestock. June-July, p.22

#### Reference

(Drug) reference guide, p.6; Index of companies, p.6; Generic names, p.7; Trade names, p.11; Cattle, p.16; Chickens, p.41; Ducks, p.45; Sheep, p.46; Swine, p.49; Turkeys, p.56. January

#### Regulations, health and safety

##### Handling

Livestock handling needs improvement. August, p.6

##### Poisoning

National Animal Poison Control Center. September, p.12

##### Regulations

Contemporary veterinary medicine: The drug issue. December, p.14

Politics in animal health. June-July, p.26

Veterinarian accreditation. June-July, p. 20

*Note: Animal Health and Nutrition was formerly called Animal Nutrition and Health. The name change took place in the September, 1985 issue.*

### MARKET PLACE

Reliable Dealers & Distributors Wanted.  
Also Manufacturers Reps, Veterinarians.

**MORE Than Just MILK REPLACERS!**

#### High Profit Animal Health Items

We've got SAV-A-CAF products, exciting new ELECTROLYTES PLUS, Original Scours Control, the famous ORAL IRON, and Milk Replacer.

SK-SUREKILL Fly Sprays (aerosol & liquid), SHO-COTE for Horses, SAV-A-PIG, SAV-A-LAM. Nationally advertised, *respected* brand-names.

Fill out your line with these *profitable* items. Ask about *free samples* and co-op ad money. Call or write *today!* We want your business!



TRI-MUTUAL, INC. Dept. A.N.  
8500 Pillsbury, Mpls MN 55420  
Call Collect: (612) 881-5535



INTERNATIONAL MARKETING &  
EXPORT CONSULTING SERVICES

**BRADLEY AGRI-CONSULTING INC.**

P.O. BOX 1668, PALATINE, IL. 60078

PHONE 312-991-8000, TELEX 754-336 BAC ud

CERTIFIED MEMBER AMERICAN SOCIETY OF AGRICULTURAL CONSULTANTS

## DRY-CLOX® VS. QUARTERMASTER®\*

(cloxacillin benzathine)

(penicillin-dihydrostreptomycin)

# DRY-CLOX® WINS AGAINST OLD COMBINATION ANTIBIOTICS.

The reason: Dry-Clox® is highly effective against both penicillin-resistant and penicillin-sensitive strains of *Staphylococcus aureus*. Dry-Clox is also up to 99% effective against *Streptococcus agalactiae*.

The old "pen/strep" product is indicated only for *Staph. aureus*. And numerous studies of that pathogen in recent years indicate that it has developed a high percentage of resistance to this once-potent combination antibiotic.

The importance of dry cow therapy in eliminating existing infections, and in preventing new infections, is widely documented. Dry-Clox provides you with a truly effective tool to help dairymen reduce the incidence of mastitis in their herds and to reduce somatic cell counts (and CMT scores) in future lactations.

Plus, the powerful bactericidal activity of Dry-Clox lasts longer than the combination product!<sup>1,2</sup> With Dry-Clox, the antibiotic is measurably present to 30 days after treatment. And, unlike the pen/strep product, Dry-Clox is still well above effective levels after 3 weeks.

Your clients rely on you. Rely on the dry cow therapeutic power that Dry-Clox can deliver.



**Dry-Clox®**  
(cloxacillin benzathine)

**The efficient  
product of choice  
that stands up to  
today's problems.**



ADVANCES  
IN VETERINARY MEDICINE  
FROM THE WORLD OF  
BRISTOL-MYERS RESEARCH  
100% VETERINARY PRODUCTS  
BRISTOL LABORATORIES  
DIVISION OF BRISTOL-MYERS COMPANY  
SYRACUSE, NEW YORK 13201

BVP-462

\*QUARTERMASTER is a registered trademark  
of Universal Marketing Corporation.

<sup>1,2</sup> See label summary.